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Glu Gly Met Leu Asp Ala Leu Phe Ala Leu Phe Glu Glu Cys Ser Gln 50 55 60

Pro Ala Leu Met Lys Met Lys His Val Ser Ser Phe Val Gln Lys Tyr 65 70 75 80

Ser Asp Thr Ile Ala Glu Leu Arg Glu Leu Gln Pro Ser Ala Arg Asp 85 90 95

Phe Glu Val Arg Ser Leu Val Gly Cys Gly His Phe Ala Glu Val Gln
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- Val His Ser Val His Gln Met Gly Tyr Val His Arg Asp Ile Lys Pro 210 215 220
- Glu Asn Ile Leu Ile Asp Arg Thr Gly Glu Ile Lys Leu Val Asp Phe 225 230 235 240
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- Glu Lys Leu His Asn Arg Glu Asp Ser Ser Glu Gly Ile Lys Lys 675 680 685
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- Gln Thr Lys Ser Glu Gln Ile Gln Gln Met Ala Asp Lys Ile Leu Glu 725 730 735
- Leu Glu Glu Lys His Arg Glu Ala Gln Val Ser Ala Gln His Leu Glu 740 745 750
- Val His Leu Lys Gln Lys Glu Gln His Tyr Glu Glu Lys Ile Lys Val 755 760 765
- Leu Asp Asn Gln Ile Lys Lys Asp Leu Ala Asp Lys Glu Ser Leu Glu 770 775 780
- Asn Met Met Gln Arg His Glu Glu Glu Ala His Glu Lys Gly Lys Ile 785 790 790 795 800
- Leu Ser Glu Gln Lys Ala Met Ile Asn Ala Met Asp Ser Lys Ile Arg 805 810 815
- Ser Leu Glu Gln Arg Ile Val Glu Leu Ser Glu Ala Asn Lys Leu Ala 820 825 830
- Ala Asn Ser Ser Leu Phe Thr Gln Arg Asn Met Lys Ala Gln Glu Glu 835 840 845
- Met Ile Ser Glu Leu Arg Gln Gln Lys Phe Tyr Leu Glu Thr Gln Ala 850 855 860
- Gly Lys Leu Glu Ala Gln Asn Arg Lys Leu Glu Glu Gln Leu Glu Lys 865 870 875 880
- Ile Ser His Gln Asp His Ser Asp Lys Ser Arg Leu Leu Glu Leu Glu 885 890 895

- Thr Arg Leu Arg Glu Val Ser Leu Glu His Glu Glu Gln Lys Leu Glu 900 905 910
- Leu Lys Arg Gln Leu Thr Glu Leu Gln Leu Ser Leu Gln Glu Arg Glu 915 920 925
- Ser Gln Leu Thr Ala Leu Gln Ala Ala Arg Ala Ala Leu Glu Ser Gln 930 935 940
- Leu Arg Gln Ala Lys Thr Glu Leu Glu Glu Thr Thr Ala Glu Ala Glu 945 950 955 960
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- Glu Arg Glu Met Gln Leu Thr Ser Gln Lys Gln Thr Met Glu Ala Leu 1045 1050 1055
- Lys Thr Thr Cys Thr Met Leu Glu Glu Gln Val Leu Asp Leu Glu Ala 1060 1065 1070
- Leu Asn Asp Glu Leu Leu Glu Lys Glu Arg Gln Trp Glu Ala Trp Arg 1075 1080 1085
- Ser Val Leu Gly Asp Glu Lys Ser Gln Phe Glu Cys Arg Val Arg Glu 1090 1095 1100
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- Ser Asp Leu Glu Tyr Gln Leu Glu Asn Ile Gln Val Leu Tyr Ser His 1235 1240 1245
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- His Pro Ser Thr Pro Ala Thr Ala Arg Gln Gln Ile Ala Met Ser Ala 1330 1335 1340
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His Arg Val Pro Ser Thr Ser Arg Ser Ser Pro Asn Lys Arg Gly Pro 1940 1945 1950

Pro Thr Tyr Asn Glu His Ile Thr Lys Arg Val Ala Ser Ser Pro Ala 1955 1960 1965

Pro Pro Glu Gly Pro Ser His Pro Arg Glu Pro Ser Thr Pro His Arg 1970 1975 1980

Tyr Arg Asp Arg Glu Gly Arg Thr Glu Leu Arg Arg Asp Lys Ser Pro 1985 1990 1995 2000

Gly Arg Pro Leu Glu Arg Glu Lys Ser Pro Gly Arg Met Leu Ser Thr 2005 2010 2015

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- Leu Ala Ala Asn Ser Ser Leu Phe Thr Gln Arg Asn Met Lys Ala Gln 420 425 430
- Glu Glu Met Ile Ser Glu Leu Arg Gln Gln Lys Phe Tyr Leu Glu Thr 435 440 445
- Gln Ala Gly Lys Leu Glu Ala Gln Asn Arg Lys Leu Glu Glu Gln Leu 450 455 460
- Glu Lys Ile Ser His Gln Asp His Ser Asp Lys Ser Arg Leu Leu Glu 465 470 475 480
- Leu Glu Thr Arg Leu Arg Glu Val Ser Leu Glu His Glu Glu Gln Lys
 485 490 495
- Leu Glu Leu Lys Arg Gln Leu Thr Glu Leu Gln Leu Ser Leu Gln Glu 500 505 510
- Arg Glu Ser Gln Leu Thr Ala Leu Gln Ala Ala Arg Ala Ala Leu Glu 515 520 525
- Ser Gln Leu Arg Gln Ala Lys Thr Glu Leu Glu Glu Thr Thr Ala Glu 530 535 540
- Ala Glu Glu Glu Ile Gln Ala Leu Thr Ala His Arg Asp Glu Ile Gln 545 550 555 560
- Arg Lys Phe Asp Ala Leu Arg Asn Ser Cys Thr Val Ile Thr Asp Leu 565 570 575
- Glu Glu Gln Leu Asn Gln Leu Thr Glu Asp Asn Ala Glu Leu Asn Asn 580 585 590

- Gln Asn Phe Tyr Leu Ser Lys Gln Leu Asp Glu Ala Ser Gly Ala Asn 595 600 605
- Asp Glu Ile Val Gln Leu Arg Ser Glu Val Asp His Leu Arg Arg Glu 610 615 620
- Ile Thr Glu Arg Glu Met Gln Leu Thr Ser Gln Lys Gln Thr Met Glu 625 630 635 640
- Ala Leu Lys Thr Thr Cys Thr Met Leu Glu Glu Gln Val Leu Asp Leu 645 650 655
- Glu Ala Leu Asn Asp Glu Leu Leu Glu Lys Glu Arg Gln Trp Glu Ala 660 665 670
- Trp Arg Ser Val Leu Gly Asp Glu Lys Ser Gln Phe Glu Cys Arg Val 675 680 685
- Arg Glu Leu Gln Arg Met Leu Asp Thr Glu Lys Gln Ser Arg Ala Arg 690 695 700
- Ala Asp Gln Arg Ile Thr Glu Ser Arg Gln Val Val Glu Leu Ala Val 705 710 715 720
- Lys Glu His Lys Ala Glu Ile Leu Ala Leu Gln Gln Ala Leu Lys Glu 725 730 735
- Gln Lys Leu Lys Ala Glu Ser Leu Ser Asp Lys Leu Asn Asp Leu Glu 740 745 750
- Lys Lys His Ala Met Leu Glu Met Asn Ala Arg Ser Leu Gln Gln Lys 755 760 765
- Leu Glu Thr Glu Arg Glu Leu Lys Gln Arg Leu Leu Glu Glu Gln Ala 770 780
- Lys Leu Gln Gln Gln Met Asp Leu Gln Lys Asn His Ile Phe Arg Leu 785 790 795 800
- Thr Gln Gly Leu Gln Glu Ala Leu Asp Arg Ala Asp Leu Leu Lys Thr 805 810 815
- Glu Arg Ser Asp Leu Glu Tyr Gln Leu Glu Asn Ile Gln Val Leu Tyr 820 825 830
- Ser His Glu Lys Val Lys Met Glu Gly Thr Ile Ser Gln Gln Thr Lys 835 840 845

- Leu Ile Asp Phe Leu Gln Ala Lys Met Asp Gln Pro Ala Lys Lys 850 855 860
- Lys Val Pro Leu Gln Tyr Asn Glu Leu Lys Leu Ala Leu Glu Lys Glu 865 870 875 880
- Lys Ala Arg Cys Ala Glu Leu Glu Glu Ala Leu Gln Lys Thr Arg Ile 885 890 895
- Glu Leu Arg Ser Ala Arg Glu Glu Ala Ala His Arg Lys Ala Thr Asp 900 905 910
- His Pro His Pro Ser Thr Pro Ala Thr Ala Arg Gln Gln Ile Ala Met 915 920 925
- Ser Ala Ile Val Arg Ser Pro Glu His Gln Pro Ser Ala Met Ser Leu 930 935 940
- Leu Ala Pro Pro Ser Ser Arg Arg Lys Glu Ser Ser Thr Pro Glu Glu 945 950 955 960
- Phe Ser Arg Arg Leu Lys Glu Arg Met His His Asn Ile Pro His Arg 965 970 975
- Phe Asn Val Gly Leu Asn Met Arg Ala Thr Lys Cys Ala Val Cys Leu 980 985 990
- Asp Thr Val His Phe Gly Arg Gln Ala Ser Lys Cys Leu Glu Cys Gln 995 1000 1005
- Val Met Cys His Pro Lys Cys Ser Thr Cys Leu Pro Ala Thr Cys Gly 1010 1015 1020
- Leu Pro Ala Glu Tyr Ala Thr His Phe Thr Glu Ala Phe Cys Arg Asp 1025 1030 1035 1040
- Lys Met Asn Ser Pro Gly Leu Gln Ser Lys Glu Pro Gly Ser Ser Leu 1045 1050 1055
- His Leu Glu Gly Trp Met Lys Val Pro Arg Asn Asn Lys Arg Gly Gln 1060 1065 1070
- Gln Gly Trp Asp Arg Lys Tyr Ile Val Leu Glu Gly Ser Lys Val Leu 1075 1080 1085
- Ile Tyr Asp Asn Glu Ala Arg Glu Ala Gly Gln Arg Pro Val Glu Glu 1090 1095 1100

- Phe Glu Leu Cys Leu Pro Asp Gly Asp Val Ser Ile His Gly Ala Val 1105 1110 1115 1120
- Gly Ala Ser Glu Leu Ala Asn Thr Ala Lys Ala Asp Val Pro Tyr Ile 1125 1130 1135
- Leu Lys Met Glu Ser His Pro His Thr Thr Cys Trp Pro Gly Arg Thr 1140 1145 1150
- Leu Tyr Leu Leu Ala Pro Ser Phe Pro Asp Lys Gln Arg Trp Val Thr 1155 1160 1165
- Ala Leu Glu Ser Val Val Ala Gly Gly Arg Val Ser Arg Glu Lys Ala 1170 1175 1180
- Glu Ala Asp Ala Lys Leu Leu Gly Asn Ser Leu Leu Lys Leu Glu Gly 1185 1190 1195 1200
- Asp Asp Arg Leu Asp Met Asn Cys Thr Leu Pro Phe Ser Asp Gln Val 1205 1210 1215
- Val Leu Val Gly Thr Glu Glu Gly Leu Tyr Ala Leu Asn Val Leu Lys 1220 1225 1230
- Asn Ser Leu Thr His Ile Pro Gly Ile Gly Ala Val Phe Gln Ile Tyr 1235 1240 1245
- Ile Ile Lys Asp Leu Glu Lys Leu Leu Met Ile Ala Gly Glu Glu Arg 1250 1255 1260
- Ala Leu Cys Leu Val Asp Val Lys Lys Val Lys Gln Ser Leu Ala Gln 1265 1270 1275 1280
- Ser His Leu Pro Ala Gln Pro Asp Val Ser Pro Asn Ile Phe Glu Ala 1285 1290 1295
- Val Lys Gly Cys His Leu Phe Ala Ala Gly Lys Ile Glu As
n Ser Leu 1300 1305 1310
- Cys Ile Cys Ala Ala Met Pro Ser Lys Val Val Ile Leu Arg Tyr Asn 1315 1320 1325
- Asp Asn Leu Ser Lys Tyr Cys Ile Arg Lys Glu Ile Glu Thr Ser Glu 1330 1335 1340
- Pro Cys Ser Cys Ile His Phe Thr Asn Tyr Ser Ile Leu Ile Gly Thr 1345 1350 1355 1360

- Asn Lys Phe Tyr Glu Ile Asp Met Lys Gln Tyr Thr Leu Asp Glu Phe 1365 1370 1375
- Leu Asp Lys Asn Asp His Ser Leu Ala Pro Ala Val Phe Ala Ser Ser 1380 1385 1390
- Ser Asn Ser Phe Pro Val Ser Ile Val Gln Ala Asn Ser Ala Gly Gln 1395 1400 1405
- Arg Glu Glu Tyr Leu Leu Cys Phe His Glu Phe Gly Val Phe Val Asp 1410 1420
- Ser Tyr Gly Arg Arg Ser Arg Thr Asp Asp Leu Lys Trp Ser Arg Leu 1425 1430 1435 1440
- Pro Leu Ala Phe Ala Tyr Arg Glu Pro Tyr Leu Phe Val Thr His Phe 1445 1450 1455
- Asn Ser Leu Glu Val Ile Glu Ile Gln Ala Arg Ser Ser Leu Gly Ser 1460 1465 1470
- Pro Ala Arg Ala Tyr Leu Glu Ile Pro Asn Pro Arg Tyr Leu Gly Pro 1475 1480 1485
- Ala Ile Ser Ser Gly Ala Ile Tyr Leu Ala Ser Ser Tyr Gln Asp Lys 1490 1495 1500
- Leu Arg Val Ile Cys Cys Lys Gly Asn Leu Val Lys Glu Ser Gly Thr 1505 1510 1515 1520
- Glu Gln His Arg Val Pro Ser Thr Ser Arg Ser Ser Pro Asn Lys Arg 1525 1530 1535
- Gly Pro Pro Thr Tyr Asn Glu His Ile Thr Lys Arg Val Ala Ser Ser 1540 1545 1550
- Pro Ala Pro Pro Glu Gly Pro Ser His Pro Arg Glu Pro Ser Thr Pro 1555 1560 1565
- His Arg Tyr Arg Asp Arg Glu Gly Arg Thr Glu Leu Arg Arg Asp Lys 1570 1580
- Ser Pro Gly Arg Pro Leu Glu Arg Glu Lys Ser Pro Gly Arg Met Leu 1585 1590 1595 1600
- Ser Thr Arg Arg Glu Arg Ser Pro Gly Arg Leu Phe Glu Asp Ser Ser 1605 1610 1615

Arg Gly Arg Leu Pro Ala Gly Ala Val Arg Thr Pro Leu Ser Gln Val 1620 1625 1630

Asn Lys Val Trp Asp Gln Ser Ser Val 1635 1640

<210> 6

<211> 1597

<212> PRT

<213> Mus musculus

<400> 6

Met Leu Gly Glu Glu Ala Met Met Glu Gln Glu Met Thr Arg Leu
1 5 10 15

His Arg Arg Val Ser Glu Val Glu Ala Val Leu Ser Gln Lys Glu Val 20 25 30

Glu Leu Lys Ala Ser Glu Thr Gln Arg Ser Leu Leu Glu Gln Asp Leu 35 40 45

Ala Thr Tyr Ile Thr Glu Cys Ser Ser Leu Lys Arg Ser Leu Glu Gln 50 55 60

Ala Arg Met Glu Val Ser Gln Glu Asp Asp Lys Ala Leu Gln Leu Leu 65 70 75 80

His Asp Ile Arg Glu Gln Ser Arg Lys Leu Gln Glu Ile Lys Glu Gln 85 90 95

Glu Tyr Gln Ala Gln Val Glu Glu Met Arg Leu Met Met Asn Gln Leu 100 105 110

Glu Glu Asp Leu Val Ser Ala Arg Arg Arg Ser Asp Leu Tyr Glu Ser 115 120 125

Glu Leu Arg Glu Ser Arg Leu Ala Ala Glu Glu Phe Lys Arg Lys Ala 130 135 140

Asn Glu Cys Gln His Lys Leu Met Lys Ala Lys Asp Gln Gly Lys Pro 145 150 155 160

Glu Val Gly Glu Tyr Ser Lys Leu Glu Lys Ile Asn Ala Glu Gl
n Gl
n 165 170 175

Leu Lys Ile Gln Glu Leu Gln Glu Lys Leu Glu Lys Ala Val Lys Ala

- Ser Thr Glu Ala Thr Glu Leu Leu Gln Asn Ile Arg Gln Ala Lys Glu 195 200 205
- Arg Ala Glu Arg Glu Leu Glu Lys Leu His Asn Arg Glu Asp Ser Ser 210 215 220
- Glu Gly Ile Lys Lys Lys Leu Val Glu Ala Glu Glu Arg Arg His Ser 225 230 235 240
- Leu Glu Asn Lys Val Lys Arg Leu Glu Thr Met Glu Arg Arg Glu Asn 245 250 255
- Arg Leu Lys Asp Asp Ile Gln Thr Lys Ser Glu Gln Ile Gln Gln Met 260 265 270
- Ala Asp Lys Ile Leu Glu Leu Glu Glu Lys His Arg Glu Ala Gln Val 275 280 285
- Ser Ala Gln His Leu Glu Val His Leu Lys Gln Lys Glu Gln His Tyr 290 295 300
- Glu Glu Lys Ile Lys Val Leu Asp Asn Gln Ile Lys Lys Asp Leu Ala 305 310 315 320
- Asp Lys Glu Ser Leu Glu Asn Met Met Gln Arg His Glu Glu Glu Ala 325 330 335
- His Glu Lys Gly Lys Ile Leu Ser Glu Gln Lys Ala Met Ile Asn Ala 340 345 350
- Met Asp Ser Lys Ile Arg Ser Leu Glu Gln Arg Ile Val Glu Leu Ser 355 360 365
- Glu Ala Asn Lys Leu Ala Ala Asn Ser Ser Leu Phe Thr Gln Arg Asn 370 375 380
- Met Lys Ala Gln Glu Glu Met Ile Ser Glu Leu Arg Gln Gln Lys Phe 385 390 395 400
- Tyr Leu Glu Thr Gln Ala Gly Lys Leu Glu Ala Gln Asn Arg Lys Leu 405 410 415
- Glu Glu Gln Leu Glu Lys Ile Ser His Gln Asp His Ser Asp Lys Ser 420 425 430
- Arg Leu Leu Glu Leu Glu Thr Arg Leu Arg Glu Val Ser Leu Glu His

Glu Glu Gln Lys Leu Glu Leu Lys Arg Gln Leu Thr Glu Leu Gln Leu

- Ser Leu Gln Glu Arg Glu Ser Gln Leu Thr Ala Leu Gln Ala Ala Arg
- Ala Ala Leu Glu Ser Gln Leu Arg Gln Ala Lys Thr Glu Leu Glu Glu
- Thr Thr Ala Glu Ala Glu Glu Glu Ile Gln Ala Leu Thr Ala His Arg
- Asp Glu Ile Gln Arg Lys Phe Asp Ala Leu Arg Asn Ser Cys Thr Val
- Ile Thr Asp Leu Glu Glu Gln Leu Asn Gln Leu Thr Glu Asp Asn Ala
- Glu Leu Asn Asn Gln Asn Phe Tyr Leu Ser Lys Gln Leu Asp Glu Ala
- Ser Gly Ala Asn Asp Glu Ile Val Gln Leu Arg Ser Glu Val Asp His
- Leu Arg Arg Glu Ile Thr Glu Arg Glu Met Gln Leu Thr Ser Gln Lys
- Gln Thr Met Glu Ala Leu Lys Thr Thr Cys Thr Met Leu Glu Glu Gln
- Val Leu Asp Leu Glu Ala Leu Asn Asp Glu Leu Leu Glu Lys Glu Arg
- Gln Trp Glu Ala Trp Arg Ser Val Leu Gly Asp Glu Lys Ser Gln Phe
- Glu Cys Arg Val Arg Glu Leu Gln Arg Met Leu Asp Thr Glu Lys Gln
- Ser Arg Ala Arg Ala Asp Gln Arg Ile Thr Glu Ser Arg Gln Val Val
- Glu Leu Ala Val Lys Glu His Lys Ala Glu Ile Leu Ala Leu Gln Gln
- Ala Leu Lys Glu Gln Lys Leu Lys Ala Glu Ser Leu Ser Asp Lys Leu

	090					0,50									
Asn 705	Asp	Leu	Glu	Lys	Lys 710	His	Ala	Met	Leu	Glu 715	Met	Asn	Ala	Arg	Ser 720
Leu	Gln	Gln	Lys	Leu 725	Glu	Thr	Glu	Arg	Glu 730	Leu	Lys	Gln	Arg	Leu 735	Leu
Glu	Glu	Gln	Ala 740	Lys	Leu	Gln	Gln	Gln 745	Met	Asp	Leu	Gln	Lys 750	Asn	His
Ile	Phe	Arg 755	Leu	Thr	Gln	Gly	Leu 760	Gln	Glu	Ala	Leu	Asp 765	Arg	Ala	Asp
Leu	Leu 770	Lys	Thr	Glu	Arg	Ser 775	Asp	Leu	Glu	Tyr	Gln 780	Leu	Glu	Asn	Ile
Gln 785	Val	Leu	Tyr	Ser	His 790	Glu	Lys	Val	Lys	Met 795	Glu	Gly	Thr	Ile	Ser 800
Glr	Gln	Thr	Lys	Leu 805		Asp	Phe	Leu	Gln 810		Lys	Met	Asp	Gln 815	Pro
Ala	Lys	Lys	Lys 820		Val	Pro	Leu	Gln 825		· Asn	Glu	Leu	Lys 830	Leu	Ala
Let	ı Glu	Lys 835		Lys	Ala	Arg	Cys 840		. Glu	. Leu	Glu	. Glu 845		Leu	Gln
, Lys	3 Thr 850		g Il∈	e Glu	ı Leu	855		Ala	ı Arç	g Glu	860		. Ala	His	Arg
Ly:		a Thi	Asp) His	870		s Pro	Sei	Thr	875		1 Thr	Ala	Arg	Gln 880
Gl:	n Ile	e Ala	a Met	Ser 885		ı Ile	e Val	L Ar	g Sei 890		o Glu	ı His	s Glr	895	Ser
Al	a Met	t Se:	r Lei 900		ı Ala	a Pro	o Pro	90!		r Arq	g Aro	g Lys	910		: Ser
Th	r Pro	91.		u Phe	e Sei	c Ar	920		ı Ly	s Glı	ı Arç	g Met 925		s His	s Asn
Il	e Pro		s Ar	g Phe	e Ası	n Va 93		y Le	u Asi	n Me	t Arg		a Thi	c Lys	s Cys

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The first feet was the street

Lys Leu Glu Gly Asp Asp Arg Leu Asp Met Asn Cys Thr Leu Pro Phe

Ser Asp Gln Val Val Leu Val Gly Thr Glu Glu Gly Leu Tyr Ala Leu

Asn Val Leu Lys Asn Ser Leu Thr His Ile Pro Gly Ile Gly Ala Val

Phe Gln Ile Tyr Ile Ile Lys Asp Leu Glu Lys Leu Met Ile Ala

- Gly Glu Glu Arg Ala Leu Cys Leu Val Asp Val Lys Lys Val Lys Gln 1220 1225 1230
- Ser Leu Ala Gln Ser His Leu Pro Ala Gln Pro Asp Val Ser Pro Asn 1235 1240 1245
- Ile Phe Glu Ala Val Lys Gly Cys His Leu Phe Ala Ala Gly Lys Ile 1250 1255 1260
- Glu Asn Ser Leu Cys Ile Cys Ala Ala Met Pro Ser Lys Val Val Ile 1265 1270 1275 1280
- Leu Arg Tyr Asn Asp Asn Leu Ser Lys Tyr Cys Ile Arg Lys Glu Ile 1285 1290 1295
- Glu Thr Ser Glu Pro Cys Ser Cys Ile His Phe Thr Asn Tyr Ser Ile 1300 1305 1310
- Leu Ile Gly Thr Asn Lys Phe Tyr Glu Ile Asp Met Lys Gln Tyr Thr
 1315 1320 1325
- Leu Asp Glu Phe Leu Asp Lys Asn Asp His Ser Leu Ala Pro Ala Val 1330 1335 1340
- Phe Ala Ser Ser Ser Asn Ser Phe Pro Val Ser Ile Val Gln Ala Asn 1345 1350 1355 1360
- Ser Ala Gly Gln Arg Glu Glu Tyr Leu Leu Cys Phe His Glu Phe Gly 1365 1370 1375
- Val Phe Val Asp Ser Tyr Gly Arg Arg Ser Arg Thr Asp Asp Leu Lys 1380 1385 1390
- Trp Ser Arg Leu Pro Leu Ala Phe Ala Tyr Arg Glu Pro Tyr Leu Phe 1395 1400 1405
- Val Thr His Phe Asn Ser Leu Glu Val Ile Glu Ile Gln Ala Arg Ser 1410 1415 1420
- Ser Leu Gly Ser Pro Ala Arg Ala Tyr Leu Glu Ile Pro Asn Pro Arg 1425 1430 1435 1440
- Tyr Leu Gly Pro Ala Ile Ser Ser Gly Ala Ile Tyr Leu Ala Ser Ser 1445 1450 1455
- Tyr Gln Asp Lys Leu Arg Val Ile Cys Cys Lys Gly Asn Leu Val Lys

1470

Glu Ser Gly Thr Glu Gln His Arg Val Pro Ser Thr Ser Arg Ser Ser 1475 1480 1485

Pro Asn Lys Arg Gly Pro Pro Thr Tyr Asn Glu His Ile Thr Lys Arg 1490 1495 1500

Val Ala Ser Ser Pro Ala Pro Pro Glu Gly Pro Ser His Pro Arg Glu 1505 1510 1515 1520

Pro Ser Thr Pro His Arg Tyr Arg Asp Arg Glu Gly Arg Thr Glu Leu 1525 1530 1535

Arg Arg Asp Lys Ser Pro Gly Arg Pro Leu Glu Arg Glu Lys Ser Pro 1540 1545 1550

Gly Arg Met Leu Ser Thr Arg Arg Glu Arg Ser Pro Gly Arg Leu Phe 1555 1560 1565

Glu Asp Ser Ser Arg Gly Arg Leu Pro Ala Gly Ala Val Arg Thr Pro 1570 1580

Leu Ser Gln Val Asn Lys Val Trp Asp Gln Ser Ser Val 1585 1590 1595

<210> 7

Ham with

T

The state was made and and and

<211> 1286

<212> PRT

<213> Homo sapiens

<400> 7

Val Leu Asp Asn Gln Ile Lys Lys Asp Leu Ala Asp Lys Glu Thr Leu
1 5 10 15

Glu Asn Met Met Gln Arg His Glu Glu Glu Ala His Glu Lys Gly Lys 20 25 30

Ile Leu Ser Glu Gln Lys Ala Met Ile Asn Ala Met Asp Ser Lys Ile 35 40 45

Arg Ser Leu Glu Gln Arg Ile Val Glu Leu Ser Glu Ala Asn Lys Leu 50 55 60

Ala Ala Asn Ser Ser Leu Phe Thr Gln Arg Asn Met Lys Ala Gln Glu 65 70 75 80

- Glu Met Ile Ser Glu Leu Arg Gln Gln Lys Phe Tyr Leu Glu Thr Gln 85 90 95
- Ala Gly Lys Leu Glu Ala Gln Asn Arg Lys Leu Glu Glu Gln Leu Glu
 100 105 110
- Lys Ile Ser His Gln Asp His Ser Asp Lys Asn Arg Leu Leu Glu Leu 115 120 125
- Glu Thr Arg Leu Arg Glu Val Ser Leu Glu His Glu Glu Gln Lys Leu 130 135 140
- Glu Ser Gln Leu Thr Ala Leu Gln Ala Ala Arg Ala Ala Leu Glu Ser 165 170 175
- Gln Leu Arg Gln Ala Lys Thr Glu Leu Glu Glu Thr Thr Ala Glu Ala 180 185 190
- Glu Glu Glu Ile Gln Ala Leu Thr Ala His Arg Asp Glu Ile Gln Arg 195 200 205
- Lys Phe Asp Ala Leu Arg Asn Ser Cys Thr Val Ile Thr Asp Leu Glu 210 215 220
- Glu Gln Leu Asn Gln Leu Thr Glu Asp Asn Ala Glu Leu Asn Asn Gln 225 230 235 240
- Asn Phe Tyr Leu Ser Lys Gln Leu Asp Glu Ala Ser Gly Ala Asn Asp 245 250 255
- Glu Ile Val Gln Leu Arg Ser Glu Val Asp His Leu Arg Arg Glu Ile 260 265 270
- Thr Glu Arg Glu Met Gln Leu Thr Ser Gln Lys Gln Thr Met Glu Ala 275 280 285
- Leu Lys Thr Thr Cys Thr Met Leu Glu Glu Gln Val Met Asp Leu Glu 290 295 300
- Ala Leu Asn Asp Glu Leu Leu Glu Lys Glu Arg Gln Trp Glu Ala Trp 305 310 315 320
- Arg Ser Val Leu Gly Asp Glu Lys Ser Gln Phe Glu Cys Arg Val Arg 325 330 335

- Glu Leu Gln Arg Met Leu Asp Thr Glu Lys Gln Ser Arg Ala Arg Ala 340 345 350
- Asp Gln Arg Ile Thr Glu Ser Arg Gln Val Val Glu Leu Ala Val Lys 355 360 365
- Glu His Lys Ala Glu Ile Leu Ala Leu Gln Gln Ala Leu Lys Glu Gln 370 375 380
- Lys Leu Lys Ala Glu Ser Leu Ser Asp Lys Leu Asn Asp Leu Glu Lys 385 390 395 400
- Lys His Ala Met Leu Glu Met Asn Ala Arg Ser Leu Gln Gln Lys Leu 405 410 415
- Glu Thr Glu Arg Glu Leu Lys Gln Arg Leu Leu Glu Glu Gln Ala Lys 420 425 430
- Leu Gln Gln Gln Met Asp Leu Gln Lys Asn His Ile Phe Arg Leu Thr 435 440 445
- Gln Gly Leu Gln Glu Ala Leu Asp Arg Ala Asp Leu Leu Lys Thr Glu 450 455 460
- Arg Ser Asp Leu Glu Tyr Gln Leu Glu Asn Ile Gln Val Leu Tyr Ser 465 470 475 480
- His Glu Lys Val Lys Met Glu Gly Thr Ile Ser Gln Gln Thr Lys Leu 485 490 495
- Ile Asp Phe Leu Gln Ala Lys Met Asp Gln Pro Ala Lys Lys Lys 500 505 510
- Val Pro Leu Gln Tyr Asn Glu Leu Lys Leu Ala Leu Glu Lys Glu Lys 515 520 525
- Ala Arg Cys Ala Glu Leu Glu Glu Ala Leu Gln Lys Thr Arg Ile Glu 530 535 540
- Leu Arg Ser Ala Arg Glu Glu Ala Ala His Arg Lys Ala Thr Asp His 545 550 555 560
- Pro His Pro Ser Thr Pro Ala Thr Ala Arg Gln Gln Ile Ala Met Ser 565 570 575
- Ala Ile Val Arg Ser Pro Glu His Gln Pro Ser Ala Met Ser Leu Leu 580 585 590

- Ala Pro Pro Ser Ser Arg Arg Lys Glu Ser Ser Thr Pro Glu Glu Phe 595 600 605
- Ser Arg Arg Leu Lys Glu Arg Met His His Asn Ile Pro His Arg Phe 610 615 620
- Asn Val Gly Leu Asn Met Arg Ala Thr Lys Cys Ala Val Cys Leu Asp 625 630 635 640
- Thr Val His Phe Gly Arg Gln Ala Ser Lys Cys Leu Glu Cys Gln Val 645 650 655
- Met Cys His Pro Lys Cys Ser Thr Cys Leu Pro Ala Thr Cys Gly Leu 660 665 670
- Pro Ala Glu Tyr Ala Thr His Phe Thr Glu Ala Phe Cys Arg Asp Lys 675 680 685
- Met Asn Ser Pro Gly Leu Gln Thr Lys Glu Pro Ser Ser Ser Leu His 690 695 700
- Leu Glu Gly Trp Met Lys Val Pro Arg Asn Asn Lys Arg Gly Gln Gln 705 710 715 720
- Gly Trp Asp Arg Lys Tyr Ile Val Leu Glu Gly Ser Lys Val Leu Ile 725 730 735
- Tyr Asp Asn Glu Ala Arg Glu Ala Gly Gln Arg Pro Val Glu Glu Phe 740 745 750
- Glu Leu Cys Leu Pro Asp Gly Asp Val Ser Ile His Gly Ala Val Gly
 755 760 765
- Ala Ser Glu Leu Ala Asn Thr Ala Lys Ala Asp Val Pro Tyr Ile Leu 770 780
- Lys Met Glu Ser His Pro His Thr Thr Cys Trp Pro Gly Arg Thr Leu 785 790 795 800
- Tyr Leu Leu Ala Pro Ser Phe Pro Asp Lys Gln Arg Trp Val Thr Ala 805 810 815
- Leu Glu Ser Val Val Ala Gly Gly Arg Val Ser Arg Glu Lys Ala Glu 820 825 830
- Ala Asp Ala Lys Leu Leu Gly Asn Ser Leu Leu Lys Leu Glu Gly Asp 835 840 845

- Asp Arg Leu Asp Met Asn Cys Thr Leu Pro Phe Ser Asp Gln Val Val 850 855 860
- Leu Val Gly Thr Glu Glu Gly Leu Tyr Ala Leu Asn Val Leu Lys Asn 865 870 870 880
- Ser Leu Thr His Val Pro Gly Ile Gly Ala Val Phe Gln Ile Tyr Ile 885 890 895
- Ile Lys Asp Leu Glu Lys Leu Leu Met Ile Ala Gly Glu Glu Arg Ala 900 905 910
- Leu Cys Leu Val Asp Val Lys Lys Val Lys Gln Ser Leu Ala Gln Ser 915 920 925
- His Leu Pro Ala Gln Pro Asp Ile Ser Pro Asn Ile Phe Glu Ala Val 930 935 940
- Lys Gly Cys His Leu Phe Gly Ala Gly Lys Ile Glu Asn Gly Leu Cys 945 950 955 960
- Ile Cys Ala Ala Met Pro Ser Lys Val Val Ile Leu Arg Tyr Asn Glu 965 970 975
- Asn Leu Ser Lys Tyr Cys Ile Arg Lys Glu Ile Glu Thr Ser Glu Pro 980 985 990
- Cys Ser Cys Ile His Phe Thr Asn Tyr Ser Ile Leu Ile Gly Thr Asn 995 1000 1005
- Lys Phe Tyr Glu Ile Asp Met Lys Gln Tyr Thr Leu Glu Glu Phe Leu 1010 1015 1020
- Asp Lys Asn Asp His Ser Leu Ala Pro Ala Val Phe Ala Ala Ser Ser 1025 1030 1035 1040
- Asn Ser Phe Pro Val Ser Ile Val Gln Val Asn Ser Ala Gly Gln Arg 1045 1050 1055
- Glu Glu Tyr Leu Leu Cys Phe His Glu Phe Gly Val Phe Val Asp Ser 1060 1065 1070
- Tyr Gly Arg Arg Ser Arg Thr Asp Asp Leu Lys Trp Ser Arg Leu Pro 1075 1080 1085
- Leu Ala Phe Ala Tyr Arg Glu Pro Tyr Leu Phe Val Thr His Phe Asn 1090 1095 1100

Ser Leu Glu Val Ile Glu Ile Gln Ala Arg Ser Ser Ala Gly Thr Pro 1105 1110 1115 1120

Ala Arg Ala Tyr Leu Asp Ile Pro Asn Pro Arg Tyr Leu Gly Pro Ala 1125 1130 1135

Ile Ser Ser Gly Ala Ile Tyr Leu Ala Ser Ser Tyr Gln Asp Lys Leu 1140 1145 1150

Arg Val Ile Cys Cys Lys Gly Asn Leu Val Lys Glu Ser Gly Thr Glu 1155 1160 1165

His His Arg Gly Pro Ser Thr Ser Arg Ser Ser Pro Asn Lys Arg Gly
1170 1180

Pro Pro Thr Tyr Asn Glu His Ile Thr Lys Arg Val Ala Ser Ser Pro 1185 1190 1195 1200

Ala Pro Pro Glu Gly Pro Ser His Pro Arg Glu Pro Ser Thr Pro His 1205 1210 1215

Arg Tyr Arg Glu Gly Arg Thr Glu Leu Arg Arg Asp Lys Ser Pro Gly 1220 1225 1230

Arg Pro Leu Glu Arg Glu Lys Ser Pro Gly Arg Met Leu Ser Thr Arg 1235 1240 1245

Arg Glu Arg Ser Pro Gly Arg Leu Phe Glu Asp Ser Ser Arg Gly Arg 1250 1255 1260

Leu Pro Ala Gly Ala Val Arg Thr Pro Leu Ser Gln Val Asn Lys Val 1265 1270 1275 1280

Trp Asp Gln Ser Ser Val 1285